

## Tau(Phospho-Ser673) Antibody

Catalog No: #11101



Package Size: #11101-1 50ul #11101-2 100ul

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## Description

Product Name	Tau(Phospho-Ser673) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB,IHC,IF,ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-Tau (S673) Polyclonal Antibody detects endogenous levels of Tau protein only when phosphorylated at S673.
Immunogen Type	Peptide-KLH
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Tau around the phosphorylation site of Ser673.
Conjugates	Unconjugated
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau
Accession No.	Swiss-Prot: P10636NCBI Protein: NP_001116538.1
Calculated MW	50-85kD
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

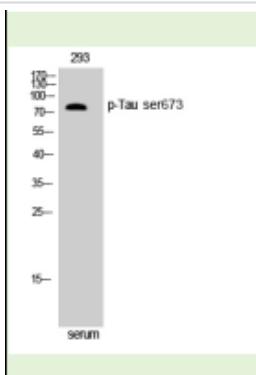
WB 1:500 - 1:2000.

IHC 1:100 - 1:300.

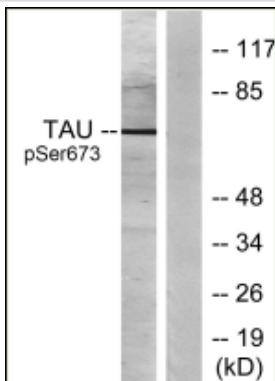
ELISA: 1:40000..

IF 1:50-200

## Images



Western Blot analysis of NIH-3T3 cells using Phospho-Tau (S673) Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human brain, using Tau (Phospho-Ser673) Antibody. The picture on the right is blocked with the phospho peptide.

## Background

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008].

## Published Papers

el at., Trillium tschonoskii maxim extract attenuates abnormal Tau phosphorylation. *Neural Regen Res.* In *Neural Regen Res.* On 2018 May by Luo HB, Shang N. et al.. PMID: 29863023, , (2018)

[PMID:29863023](#)

el at., Effectiveness and mechanisms of combined use of antioxidant nutrients in protecting against oxidative stress-induced neuronal loss and related neurological deficits. In *CNS Neurosci Ther* on 2024 Jul by Lu Wang, Yingjuan Wei, et al.. PMID:39072940, , (2024)

[PMID:39072940](#)

Note: This product is for *in vitro* research use only and is not intended for use in humans or animals.